

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/550,102
Source: PG/10
Date Processed by STIC: 10/31/05

ENTERED

**Raw Sequence Listing before editing
(for reference only)**



PCT

RAW SEQUENCE LISTING

DATE: 10/03/2005

PATENT APPLICATION: US/10/550,102

TIME: 14:34:12

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\10032005\J550102.raw

3 <110> APPLICANT: Pharmadesign, Inc.
 5 <120> TITLE OF INVENTION: Low Molecule Polypeptide for Active Channel Blocker
 7 <130> FILE REFERENCE: P03-0030PCT
 C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/550,102
 C--> 10 <141> CURRENT FILING DATE: 2005-09-21
 12 <150> PRIOR APPLICATION NUMBER: 2003-085666
 13 <151> PRIOR FILING DATE: 2003-03-26
 15 <160> NUMBER OF SEQ ID NOS: 17
 17 <170> SOFTWARE: PatentIn Ver. 2.1
 19 <210> SEQ ID NO: 1
 20 <211> LENGTH: 10
 21 <212> TYPE: PRT
 22 <213> ORGANISM: Artificial Sequence
 24 <220> FEATURE:
 25 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic
 26 Polypeptide
 28 <400> SEQUENCE: 1
 29 Trp Lys Cys Asn Pro Asn Asp Asp Lys Cys
 30 1 5 10
 33 <210> SEQ ID NO: 2
 34 <211> LENGTH: 8
 35 <212> TYPE: PRT
 36 <213> ORGANISM: Artificial Sequence
 38 <220> FEATURE:
 39 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic
 40 Polypeptide
 42 <400> SEQUENCE: 2
 43 Cys Ala Arg Pro Lys Leu Lys Cys
 44 1 5
 47 <210> SEQ ID NO: 3
 48 <211> LENGTH: 17
 49 <212> TYPE: PRT
 50 <213> ORGANISM: Artificial Sequence
 52 <220> FEATURE:
 53 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic
 54 Polypeptide
 56 <400> SEQUENCE: 3
 57 Trp Lys Cys Asn Pro Asn Asp Asp Lys Ala Ala Arg Pro Lys Leu Lys
 58 1 5 10 15
 60 Cys
 64 <210> SEQ ID NO: 4
 65 <211> LENGTH: 35
 66 <212> TYPE: PRT

Does Not Comply
 Corrected Diskette Needed

P.S

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67 <213> ORGANISM: Grammostola spatulata
69 <400> SEQUENCE: 4
70 Gly Cys Leu Glu Phe Trp Trp Lys Cys Asn Pro Asn Asp Asp Lys Cys
71   1           5           10           15
73 Cys Arg Pro Lys Leu Lys Cys Ser Lys Leu Phe Lys Leu Cys Asn Phe
74   20           25           30
76 Ser Ser Gly
77   35
80 <210> SEQ ID NO: 5
81 <211> LENGTH: 42
82 <212> TYPE: PRT
83 <213> ORGANISM: Atrax robustus
85 <400> SEQUENCE: 5
86 Cys Ala Lys Lys Arg Asn Trp Cys Gly Lys Asn Glu Asp Cys Cys Cys
87   1           5           10           15
89 Pro Met Lys Cys Ile Tyr Ala Trp Tyr Asn Gln Gln Gly Ser Cys Gln
90   20           25           30
92 Thr Thr Ile Thr Gly Leu Phe Lys Lys Cys
93   35           40
96 <210> SEQ ID NO: 6
97 <211> LENGTH: 42
98 <212> TYPE: PRT
99 <213> ORGANISM: Hadronyche versuta
101 <400> SEQUENCE: 6
102 Cys Ala Lys Lys Arg Asn Trp Cys Gly Lys Thr Glu Asp Cys Cys Cys
103   1           5           10           15
105 Pro Met Lys Cys Val Tyr Ala Trp Tyr Asn Glu Gln Gly Ser Cys Gln
106   20           25           30
108 Ser Thr Ile Ser Ala Leu Trp Lys Lys Cys
109   35           40
112 <210> SEQ ID NO: 7
113 <211> LENGTH: 30
114 <212> TYPE: PRT
115 <213> ORGANISM: Heteropodidae veratoria
117 <400> SEQUENCE: 7
118 Asp Asp Cys Gly Lys Leu Phe Ser Gly Cys Asp Thr Asn Ala Asp Cys
119   1           5           10           15
121 Cys Glu Gly Tyr Val Cys Arg Leu Trp Cys Lys Leu Asp Trp
122   20           25           30
125 <210> SEQ ID NO: 8
126 <211> LENGTH: 32
127 <212> TYPE: PRT
128 <213> ORGANISM: Selenocosmia huwena
130 <400> SEQUENCE: 8
131 Gly Cys Leu Gly Asp Lys Cys Asp Tyr Asn Asn Gly Cys Cys Ser Gly
132   1           5           10           15
134 Tyr Val Cys Ser Arg Thr Trp Lys Trp Cys Val Leu Ala Gly Pro Trp
135   20           25           30
141 <210> SEQ ID NO: 9

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142 <211> LENGTH: 37
143 <212> TYPE: PRT
144 <213> ORGANISM: Agelenopsis aperta
146 <400> SEQUENCE: 9
147 Ala Cys Val Gly Glu Asn Gln Gln Cys Ala Asp Trp Ala Gly Pro His
148   1           5           10           15
150 Cys Cys Asp Gly Tyr Tyr Cys Thr Cys Arg Tyr Phe Pro Lys Cys Ile
151           20           25           30
153 Cys Arg Asn Asn Asn
154           35
157 <210> SEQ ID NO: 10
158 <211> LENGTH: 37
159 <212> TYPE: PRT
160 <213> ORGANISM: Agelenopsis aperta
162 <400> SEQUENCE: 10
163 Ala Cys Val Gly Glu Asn Gln Gln Cys Ala Asp Trp Ala Gly Pro His
164   1           5           10           15
166 Cys Cys Asp Gly Tyr Tyr Cys Thr Cys Arg Tyr Phe Pro Lys Cys Ile
167           20           25           30
169 Cys Arg Asn Asn Asn
170           35
173 <210> SEQ ID NO: 11
174 <211> LENGTH: 37
175 <212> TYPE: PRT
176 <213> ORGANISM: Agelenopsis aperta
178 <220> FEATURE:
179 <221> NAME/KEY: UNSURE
180 <222> LOCATION: (37)
181 <223> OTHER INFORMATION: Xaa represents unknown amino acid residue
183 <400> SEQUENCE: 11
184 Glu Cys Val Pro Glu Asn Gly His Cys Arg Asp Trp Tyr Asp Glu Cys
185   1           5           10           15
187 Cys Glu Gly Phe Tyr Cys Ser Cys Arg Gln Pro Pro Lys Cys Ile Cys
188           20           25           30
W--> 190 Arg Asn Asn Asn Xaa
191           35
194 <210> SEQ ID NO: 12
195 <211> LENGTH: 33
196 <212> TYPE: PRT
197 <213> ORGANISM: Selenocosmia huwena
199 <400> SEQUENCE: 12
200 Ala Cys Lys Gly Val Phe Asp Ala Cys Thr Pro Gly Lys Asn Glu Cys
201   1           5           10           15
203 Cys Pro Asn Arg Val Cys Ser Asp Lys His Lys Trp Cys Lys Trp Lys
204           20           25           30
206 Leu
210 <210> SEQ ID NO: 13
211 <211> LENGTH: 37
212 <212> TYPE: PRT

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213 <213> ORGANISM: Selenocosmia huwena
 215 <400> SEQUENCE: 13
 216 Leu Phe Glu Cys Ser Phe Ser Cys Glu Ile Glu Lys Glu Gly Asp Lys
 217 1 5 10 15
 219 Pro Cys Lys Lys Lys Lys Cys Lys Gly Gly Trp Lys Cys Lys Phe Asn
 220 20 25 30
 222 Met Cys Val Lys Val
 223 35
 226 <210> SEQ ID NO: 14
 227 <211> LENGTH: 17
 228 <212> TYPE: PRT
 229 <213> ORGANISM: Artificial Sequence
 231 <220> FEATURE:
 232 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic
 233 Polypeptide
 235 <400> SEQUENCE: 14
 236 Gly Cys Leu Glu Phe Trp Trp Lys Ala Asn Pro Asn Asp Asp Lys Ala
 237 1 5 10 15
 239 Cys
 243 <210> SEQ ID NO: 15
 244 <211> LENGTH: 15
 245 <212> TYPE: PRT
 246 <213> ORGANISM: Artificial Sequence
 248 <220> FEATURE:
 249 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic
 250 Polypeptide
 252 <400> SEQUENCE: 15
 253 Cys Ala Arg Pro Lys Leu Lys Ala Ser Lys Leu Phe Lys Leu Cys
 254 1 5 10 15
 257 <210> SEQ ID NO: 16
 258 <211> LENGTH: 8
 259 <212> TYPE: PRT
 260 <213> ORGANISM: Artificial Sequence
 262 <220> FEATURE:
 263 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic
 264 Polypeptide
 266 <400> SEQUENCE: 16
 267 Cys Ala Ala Pro Lys Leu Lys Cys
 268 1 5
 271 <210> SEQ ID NO: 17
 272 <211> LENGTH: 8
 273 <212> TYPE: PRT
 274 <213> ORGANISM: Artificial Sequence
 276 <220> FEATURE:
 277 <223> OTHER INFORMATION: Description of Artificial Sequence:Synthetic
 278 Polypeptide
 280 <400> SEQUENCE: 17
 281 Cys Ala Arg Pro Lys Leu Ala Cys
 282 1 5

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RAW SEQUENCE LISTING ERROR SUMMARY

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PATENT APPLICATION: US/10/550,102

TIME: 14:34:13

Input Set : A:\PTO.KD.txt

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:11; Xaa Pos. 37

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/550,102

DATE: 10/03/2005

TIME: 14:34:13

Input Set : A:\PTO.KD.txt

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L:9 M:270 C: Current Application Number differs, Replaced Application Number

L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:190 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:32